QC ABSTRACT

NAME OF WORK: Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	RCC(M20)	Compressive Strength(7days and 28days)	9 set /250-300 cum	286.2	18	18
9	Cement Concrete Pavement (M30)	Compressive Strength(7days and 28days)	9 set /250-300 cum	278.97	18	18

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 04-01-21

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-01-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	02-01-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.54	-
2	Finess by Air permeablity method (m^2/kg,Min)	298.2	225m^2/kg, Min
3	Density (gm/cc)	3.12	-
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	160 minutes	Not less than 30 minutes
6	Final Setting time	255 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

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* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2021-05-18-11 Date: 04-01-21
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	01-01-21
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	01-01-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	187	187	1.2	98.8	90-100
3	20 mm	7276	7463	49.8	50.2	30-70
4	10 mm	4074	11537	76.9	23.1	10-35
5	4.75 mm	3000	14537	96.9	3.1	0-5
6	Pan	463	15000	100.0	0	---

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WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2021-05-18-11 **Date: 04-01-21**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No 37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer Reference	:	BBMP/EE/YNK D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-01-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	01-01-21

AE-2

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

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Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	236	236	4.7	95.3	90-100
3	10 mm	2629	2865	57.3	42.7	25-55
4	4.75 mm	1779	4644	92.9	7.1	0-10
5	Pan	356	5000	100	0	–

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TEST REPORT OF PRECAST COVER SLAB

Date: 16-01-21

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-01-21
Sample Type /Size	:	Precast Cover Slab (100mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	11/01/2021

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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Note:
* The Results Obtained are Satisfactory as per Standard Requirements

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R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/01/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-01-21
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/01/2021	20/01/2021	150.64 X 150.67 X 151.94	22698	8.380	418.0	18.4	18.6
2	Drain Bottom Slab Concrete	M20	13/01/2021	20/01/2021	151.95 X 151.13 X 150.20	22964	8.613	432.3	18.8	
3	Drain Bottom Slab Concrete	M20	13/01/2021	20/01/2021	149.78 X 151.21 X 151.48	22649	8.165	420.9	18.6	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/01/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-01-21
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	16/01/2021	23/01/2021	150.88 X 149.15 X 149.11	22504	8.380	407.5	18.1	18.3
2	Drain Bottom Slab Concrete	M20	16/01/2021	23/01/2021	151.43 X 150.11 X 150.60	22731	8.613	418.7	18.4	
3	Drain Bottom Slab Concrete	M20	16/01/2021	23/01/2021	149.49 X 149.02 X 150.18	22276	8.165	408.2	18.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 03/03/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No.37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK D/EPMT-5/W O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-02-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	03/03/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	24/02/2021	03/03/2021	149.76 X 149.10 X 150.74	22328	8.380	417.6	18.7	18.6
2	Drain Side Wall Concrete	M20	24/02/2021	03/03/2021	151.40 X 149.20 X 149.21	22588	8.613	420.0	18.6	
3	Drain Side Wall Concrete	M20	24/02/2021	03/03/2021	149.95 X 149.68 X 149.56	22445	8.165	412.8	18.4	

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/02/2021

Lab ID	:	**CP-2021-05-18-11**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-02-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	29/01/2021	05/02/2021	149.67 X 151.08 X 149.74	22611	8.380	420.4	18.6	18.5
2	Drain Side Wall Concrete	M20	29/01/2021	05/02/2021	149.36 X 150.13 X 150.22	22424	8.613	412.6	18.4	
3	Drain Side Wall Concrete	M20	29/01/2021	05/02/2021	149.71 X 149.36 X 151.79	22360	8.165	416.9	18.6	

AE-2

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The Results Obtained are Satisfactory as per Standard Requirements

Note:

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/02/2021

Lab ID	:	**CP-2021-05-18-11**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-02-21
Customer ID	:	Culvert Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	13/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Side Wall Concrete	M20	06/02/2021	13/02/2021	151.10 X 149.91 X 151.63	22651	8.380	413.1	18.2	18.2
2	Culvert Side Wall Concrete	M20	06/02/2021	13/02/2021	149.34 X 149.92 X 150.43	22389	8.613	412.3	18.4	
3	Culvert Side Wall Concrete	M20	06/02/2021	13/02/2021	151.05 X 151.84 X 151.56	22935	8.165	413.1	18.0	

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-05-18-11 **Date: 08/03/2021**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No.02

Agency : Sri. R. Ranganath, No.37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010

Customer's Reference : BBMP/EE/YNK D/EPMT-5/W O/158/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 03-03-21

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/03/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	01/03/2021	08/03/2021	149.56 X 151.97 X 151.54	22729	8.911	580.6	25.5	25.4
2	Cement Concrete Pavement	M30	01/03/2021	08/03/2021	150.07 X 149.86 X 150.94	22490	8.376	588.3	26.2	
3	Cement Concrete Pavement	M30	01/03/2021	08/03/2021	151.31 X 149.91 X 150.42	22684	8.774	555.2	24.5	

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

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Samples will be disposed after 30 days from the date of issue of test certific

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/03/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK D/EPMT-5/W O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-03-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	15/03/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	08/03/2021	15/03/2021	151.78 X 151.72 X 150.73	23028	8.911	591.8	25.7	25.6
2	Cement Concrete Pavement	M30	08/03/2021	15/03/2021	149.92 X 149.86 X 150.48	22468	8.376	600.4	26.7	
3	Cement Concrete Pavement	M30	08/03/2021	15/03/2021	151.90 X 150.56 X 151.43	22869	8.774	555.7	24.3	

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

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A.E.E

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/03/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-03-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/03/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement	M30	13/03/2021	20/03/2021	149.29 X 151.71 X 149.93	22650	8.911	576.2	25.4	25.5
2	Cement Concrete Pavement	M30	13/03/2021	20/03/2021	149.01 X 149.83 X 151.26	22326	8.376	587.4	26.3	
3	Cement Concrete Pavement	M30	13/03/2021	20/03/2021	149.59 X 149.96 X 149.36	22432	8.774	555.5	24.8	

A&E

- The Results Obtained are Satisfactory as per Standard Requirements

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 26/03/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-03-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	26/03/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	19/03/2021	26/03/2021	149.49 X 151.96 X 149.79	22715	8.911	576.4	25.4	25.4
2	Cement Concrete Pavement	M30	19/03/2021	26/03/2021	149.46 X 150.84 X 150.21	22545	8.376	598.1	26.5	
3	Cement Concrete Pavement	M30	19/03/2021	26/03/2021	151.15 X 150.18 X 151.15	22701	8.774	548.3	24.2	

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/04/2021

Lab ID	:	CP-2021-05-18-11
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Comprehensive Development of Chowdeshwari Layout and Surrounding Areas in Chowdeshwari Ward No:02
Agency	:	Sri. R. Ranganath, No:37, 19th Cross, 1st N Block, Rajajinagara, Mahalakshmipuram, Bangalore-560010
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-5/W.O/158/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-03-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	19/03/2021	16/04/2021	149.25 X 150.49 X 149.73	22460	8.386	750.8	33.4	33.0
2	Cement Concrete Pavement	M30	19/03/2021	16/04/2021	151.24 X 151.72 X 149.25	22946	8.554	745.1	32.5	
3	Cement Concrete Pavement	M30	19/03/2021	16/04/2021	150.76 X 150.78 X 149.42	22732	8.433	751.1	33.0	

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